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1632/8

PTO/SB/21 (03-03)

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| <b>TRANSMITTAL FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number     | 10/052,162           |
|                                                                                         | Filing Date            | January 16, 2002     |
|                                                                                         | First Named Inventor   | John H. Crowe, et al |
|                                                                                         | Art Unit               | 1632                 |
|                                                                                         | Examiner Name          | Shin-Lin Chen        |
| Total Number of Pages in This Submission                                                | Attorney Docket Number | 010023-000130US      |

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| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 |                                                                           |                                                                                         |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |                                                                                                      |
|--------------------------------------------|------------------------------------------------------------------------------------------------------|
| Firm or Individual                         | John W. Carpenter<br>Carpenter & Kulas, LLP<br>1900 Embarcadero Road, Suite 109, Palo Alto, CA 94303 |
| Signature                                  |                                                                                                      |
| Date                                       | October 24, 2003                                                                                     |

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| Typed or printed                                                                                                                                                                                                                                                                     | John W. Carpenter |
| Signature                                                                                                                                                                                                                                                                            |                   |
| Date                                                                                                                                                                                                                                                                                 | October 24, 2003  |

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| <b>FEE TRANSMITTAL</b><br><b>for FY 2002</b><br><i>Patent fees are subject to annual revision.</i> |  | <b>Complete if Known</b> |                      |
|                                                                                                    |  | Application Number       | 10/052,162           |
|                                                                                                    |  | Filing Date              | January 16, 2002     |
|                                                                                                    |  | First Named Inventor     | John H. Crowe et al. |
|                                                                                                    |  | Examiner Name            | Shin-Lin Chen        |
|                                                                                                    |  | Group / Art Unit         | 1632                 |
| TOTAL AMOUNT OF PAYMENT (\$)                                                                       |  | 235.00                   |                      |
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| <b>METHOD OF PAYMENT (check one)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                       |                                                                            | <b>FEE CALCULATION (continued)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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------------------------------|--|-----|-------|-----|-----------------------------------------|--|-----|-------|-----|----------------------------------------|--|-----|-----|-----|------------------|--|-----|-----|-----|----------------------------------------|--|-----|-----|-----|--------------------------|--|-----|-------|-------|-----------------------------------------------|--|-----|-----|----|----------------------------------|--|-----|-------|-----|------------------------------------|--|-----|-------|-----|--------------------------------|--|-----|-----|-----|------------------|--|-----|-----|-----|-----------------|--|-----|-----|-----|-------------------------------|--|-----|----|----|-----------------------------------------------|--|-----|-----|-----|-------------------------------------------|--------|-----|----|----|----------------------------------------------------------------------------|--|-----|-----|-----|---------------------------------------------------------------|--|-----|-----|-----|------------------------------------------------------------------|--|-----|-----|-----|-----------------------------------------|--|-----|-----|-----|-----------------------------------------------------------|--|
| 1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:<br>Deposit Account Number <input type="text"/><br>Deposit Account Name <input type="text"/><br><input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17<br><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |                       |                                                                            | <b>3. ADDITIONAL FEES</b><br><table border="1"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>55</td><td>Extension for reply within first month</td><td>55.00</td></tr> <tr><td>116</td><td>400</td><td>200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>920</td><td>460</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,440</td><td>720</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,960</td><td>980</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,280</td><td>640</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,280</td><td>640</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>460</td><td>230</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>620</td><td>310</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>180</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td>180.00</td></tr> <tr><td>581</td><td>40</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>740</td><td>370</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>740</td><td>370</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>740</td><td>370</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table> |                       |                       |                       | Fee Code        | Large Entity Fee (\$) | Small Entity Fee (\$) | Fee Description | Fee Paid | 105 | 130                    | 65 | Surcharge - late filing fee or oath |     | 127 | 50  | 25                                | Surcharge - late provisional filing fee or cover sheet |     | 139 | 130 | 130 | Non-English specification             |  | 147 | 2,520 | 2,520 | For filing a request for reexamination |                                                    | 112 | 920* | 920* | Requesting publication of SIR prior to Examiner action |    | 113                                                        | 1,840* | 1,840* | Requesting publication of SIR after Examiner action |  | 115 | 110 | 55 | Extension for reply within first month | 55.00 | 116 | 400 | 200 | Extension for reply within second month |  | 117 | 920 | 460 | Extension for reply within third month |  | 118 | 1,440 | 720 | Extension for reply within fourth month |  | 128 | 1,960 | 980 | Extension for reply within fifth month |  | 119 | 320 | 160 | Notice of Appeal |  | 120 | 320 | 160 | Filing a brief in support of an appeal |  | 121 | 280 | 140 | Request for oral hearing |  | 138 | 1,510 | 1,510 | Petition to institute a public use proceeding |  | 140 | 110 | 55 | Petition to revive - unavoidable |  | 141 | 1,280 | 640 | Petition to revive - unintentional |  | 142 | 1,280 | 640 | Utility issue fee (or reissue) |  | 143 | 460 | 230 | Design issue fee |  | 144 | 620 | 310 | Plant issue fee |  | 122 | 130 | 130 | Petitions to the Commissioner |  | 123 | 50 | 50 | Petitions related to provisional applications |  | 126 | 180 | 180 | Submission of Information Disclosure Stmt | 180.00 | 581 | 40 | 40 | Recording each patent assignment per property (times number of properties) |  | 146 | 740 | 370 | Filing a submission after final rejection (37 CFR § 1.129(a)) |  | 149 | 740 | 370 | For each additional invention to be examined (37 CFR § 1.129(b)) |  | 179 | 740 | 370 | Request for Continued Examination (RCE) |  | 169 | 900 | 900 | Request for expedited examination of a design application |  |
| Fee Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Large Entity Fee (\$) | Small Entity Fee (\$) | Fee Description                                                            | Fee Paid                                                        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| 105                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 130                   | 65                    | Surcharge - late filing fee or oath                                        |                                                                 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| 127                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 50                    | 25                    | Surcharge - late provisional filing fee or cover sheet                     |                                                                 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 |     |     |     |                                                                  |  |     |     |     |                                         |  |     |     |     |                                                           |  |
| 139                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 130                   | 130                   | Non-English specification                                                  |                                                                 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 |     |     |     |                                                                  |  |     |     |     |                                         |  |     |     |     |                                                           |  |
| 147                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2,520                 | 2,520                 | For filing a request for reexamination                                     |                                                                 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 |     |     |     |                                                                  |  |     |     |     |                                         |  |     |     |     |                                                           |  |
| 112                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 920*                  | 920*                  | Requesting publication of SIR prior to Examiner action                     |                                                                 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 |     |     |     |                                                                  |  |     |     |     |                                         |  |     |     |     |                                                           |  |
| 113                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1,840*                | 1,840*                | Requesting publication of SIR after Examiner action                        |                                                                 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 |     |     |     |                                                                  |  |     |     |     |                                         |  |     |     |     |                                                           |  |
| 115                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 110                   | 55                    | Extension for reply within first month                                     | 55.00                                                           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| 116                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 400                   | 200                   | Extension for reply within second month                                    |                                                                 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| 117                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 920                   | 460                   | Extension for reply within third month                                     |                                                                 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| 118                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1,440                 | 720                   | Extension for reply within fourth month                                    |                                                                 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| 128                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1,960                 | 980                   | Extension for reply within fifth month                                     |                                                                 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| 119                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 320                   | 160                   | Notice of Appeal                                                           |                                                                 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| 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 320                   | 160                   | Filing a brief in support of an appeal                                     |                                                                 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| 121                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 280                   | 140                   | Request for oral hearing                                                   |                                                                 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 |     |     |     |                                                                  |  |     |     |     |                                         |  |     |     |     |                                                           |  |
| 138                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1,510                 | 1,510                 | Petition to institute a public use proceeding                              |                                                                 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| 140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 110                   | 55                    | Petition to revive - unavoidable                                           |                                                                 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| 141                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1,280                 | 640                   | Petition to revive - unintentional                                         |                                                                 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 |     |     |     |                                                                  |  |     |     |     |                                         |  |     |     |     |                                                           |  |
| 142                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1,280                 | 640                   | Utility issue fee (or reissue)                                             |                                                                 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 |     |     |     |                                                                  |  |     |     |     |                                         |  |     |     |     |                                                           |  |
| 143                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 460                   | 230                   | Design issue fee                                                           |                                                                 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 |     |     |     |                                                                  |  |     |     |     |                                         |  |     |     |     |                                                           |  |
| 144                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 620                   | 310                   | Plant issue fee                                                            |                                                                 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 |     |     |     |                                                                  |  |     |     |     |                                         |  |     |     |     |                                                           |  |
| 122                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 130                   | 130                   | Petitions to the Commissioner                                              |                                                                 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| 126                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 180                   | 180                   | Submission of Information Disclosure Stmt                                  | 180.00                                                          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| 581                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 40                    | 40                    | Recording each patent assignment per property (times number of properties) |                                                                 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| 146                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 740                   | 370                   | Filing a submission after final rejection (37 CFR § 1.129(a))              |                                                                 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| 149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 740                   | 370                   | For each additional invention to be examined (37 CFR § 1.129(b))           |                                                                 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| 179                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 740                   | 370                   | Request for Continued Examination (RCE)                                    |                                                                 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| 169                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 900                   | 900                   | Request for expedited examination of a design application                  |                                                                 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| 2. <input checked="" type="checkbox"/> Payment Enclosed:<br><input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                       |                                                                            |                                                                 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| <b>FEE CALCULATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |                       |                                                                            |                                                                 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 |     |     |     |                                                                  |  |     |     |     |                                         |  |     |     |     |                                                           |  |
| <b>1. BASIC FILING FEE</b><br><table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>740</td><td>201</td><td>370</td><td>Utility filing fee</td><td></td></tr> <tr><td>106</td><td>330</td><td>206</td><td>165</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>510</td><td>207</td><td>255</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>740</td><td>208</td><td>370</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>160</td><td>214</td><td>80</td><td>Provisional filing fee</td><td></td></tr> </tbody> </table>                                                                     |                       |                       |                                                                            | Large Entity Fee Code                                                   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| Large Entity Fee Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$)                                                      | Fee Description                                                 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 |     |     |     |                                                                  |  |     |     |     |                                         |  |     |     |     |                                                           |  |
| <b>2. EXTRA CLAIM FEES</b><br><table border="1"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>-20</td> <td>0</td> <td>18</td> <td>0</td> </tr> <tr> <td>-3</td> <td>0</td> <td>84</td> <td>0</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td>0</td> </tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                       |                                                                            | Total Claims                                                            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| Total Claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Extra Claims          | Fee from below        | Fee Paid                                                                   |                                                                 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 |     |     |     |                                                                  |  |     |     |     |                                         |  |     |     |     |                                                           |  |
| <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>9</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>84</td><td>202</td><td>42</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>280</td><td>204</td><td>140</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109</td><td>84</td><td>209</td><td>42</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> </tbody> </table> |                       |                       |                                                                            | Large Entity Fee Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Large Entity Fee (\$) | Small Entity Fee Code | Small Entity Fee (\$) | Fee Description | Fee Paid              | 103                   | 18              | 9        | 9   | Claims in excess of 20 |    | 102                                 | 84  | 202 | 42  | Independent claims in excess of 3 |                                                        | 104 | 280 | 204 | 140 | Multiple dependent claim, if not paid |  | 109 | 84    | 209   | 42                                     | ** Reissue independent claims over original patent |     | 110  | 18   | 210                                                    | 9  | ** Reissue claims in excess of 20 and over original patent |        |        |                                                     |  |     |     |    |                                        |       |     |     |     |                                         |  |     |     |     |                                        |  |     |       |     |                                         |  |     |       |     |                                        |  |     |     |     |                  |  |     |     |     |                                        |  |     |     |     |                          |  |     |       |       |                                               |  |     |     |    |                                  |  |     |       |     |                                    |  |     |       |     |                                |  |     |     |     |                  |  |     |     |     |                 |  |     |     |     |                               |  |     |    |    |                                               |  |     |     |     |                                           |        |     |    |    |                                                                            |  |     |     |     |                                                               | 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| 109                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 84                    | 209                   | 42                                                                         | ** Reissue independent claims over original patent              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| 110                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 18                    | 210                   | 9                                                                          | ** Reissue claims in excess of 20 and over original patent      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 |     |     |     |                                                                  |  |     |     |     |                                         |  |     |     |     |                                                           |  |
| SUBTOTAL (2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                       |                                                                            | (\$) 0                                                          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 |     |     |     |                                                                  |  |     |     |     |                                         |  |     |     |     |                                                           |  |
| *or number previously paid, if greater; For Reissues, see above                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                       |                                                                            | Other fee (specify) _____                                       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                         |  |     |       |     |                                         |  |     |       |     |                                        |  |     |     |     |                  |  |     |     |     |                                        |  |     |     |     |                          |  |     |       |       |                                               |  |     |     |    |                                  |  |     |       |     |                                    |  |     |       |     |                                |  |     |     |     |                  |  |     |     |     |                 |  |     |     |     |                               |  |     |    |    |                                               |  |     |     |     |                                           |        |     |    |    |                                                                            |  |     |     |     |                                                               |  |     |     |     |                                                                  |  |     |     |     |                                         |  |     |     |     |                                                           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                       |                                                                            | *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$ 235.00)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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 |     |     |     |                                                                  |  |     |     |     |                                         |  |     |     |     |                                                           |  |

|                     |                   |                                 |                  |
|---------------------|-------------------|---------------------------------|------------------|
| <b>SUBMITTED BY</b> |                   | <b>Complete (if applicable)</b> |                  |
| Name (Print/Type)   | John W. Carpenter | Registration No. Attorney/Agent | 26,447           |
| Signature           |                   | Telephone                       | 650-842-0303     |
|                     |                   | Date                            | October 24, 2003 |

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